

SikaMix[®]

Mix Enhancing Admixture

Construction

Description	SikaMix [®] is a concrete admixture for general use to enhance unfavourable concrete mixes. SikaMix [®] improves workability even with poor aggregates, and sand gradings.
Uses	SikaMix [®] is especially useful for concrete mixes with fluctuating fines, low cement content or unfavourable granulometric curves with bad water retention abilities. Even secondary raw materials like crushed rock and manufactured sands are more easily used with SikaMix [®] .
Advantages	<ul style="list-style-type: none"> • Improves the cohesiveness, workability and lubrication of the fresh concrete. • Reduces concrete bleed. • Improves pump output and workability of unfavourable concrete mixes. • Used in shotcrete mixes to improve sticking or as silica fume replacement. • Smoother finishes resulting from better extrusion of concrete.
Storage and Shelf Life	Stored at temperatures between 5°C and 35°C in unopened original containers protected from direct sunlight and from frost, shelf life is at least three (3) months.
Application	
Dosage	<p>To recommend addition rates:</p> <ul style="list-style-type: none"> - Poorly graded aggregates and harsh materials. 300-1000mls/m³ - Improve pumping characteristics and lower pump pressures 1000-2000mls/m³ - As a silica fume replacement 2000-5000mls/m³
Mixing	<p>SikaMix[®] can be added before or after dosing of water. Never add to a dry mix. The optimum effect is reached after a wet mixing time of 90 seconds.</p> <p>SikaMix[®] slightly changes the viscosity of the concrete mix, but workability is not influenced.</p>
Specification Type	<p>SikaMix[®] meets all requirements of AS1478.1-2000 as special Admixture. Type (SN).</p> <p>Queensland Government Department of Main Roads approved.</p>

Technical Data (Typical)

Form	Water based polymer dispersion
Colour	Light green
Density (20°C)	1.0 kg/litre approximately
pH value (20°C)	8.5 ± 1.0
Chloride Content	No added chlorides
TEA Content	Does not contain triethanolamine
Air Entrainment	Does not affect air content of concrete
Packaging	20 litre plastic pail 205 litre drum Bulk deliveries

Important Notes

- Frozen SikaMix[®] can be reconstituted by slow thawing to room temperature and thorough mixing.
- SikaMix[®] is normally used in combination with Sikament superplasticiser. It can also be combined with Sika[®] Air, SikaTard[®], Sigunit-L50AF or SikaRapid, without influencing the performance. To use combinations of these admixtures, site trials are recommended.
- When using as a substitute for silica fume site trials are always recommended.

Important Notification

The information, and, in particular, the recommendations relating to the application and end-use of Sika's products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

